Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**6.3 Cross-Section Homework**

1. The images below are cross-sections of a human head taken from an MRI scan.
   1. What 3-D geometric solid most closely resembles a human head?
   2. A plane cutting through a 3-D object creates a cross-section. How was the “plane” positioned to create the first image? What about the second image?
   3. Describe the cross-section of a sphere. How many different possible two-dimensional shapes could be the cross-section of a sphere?

 